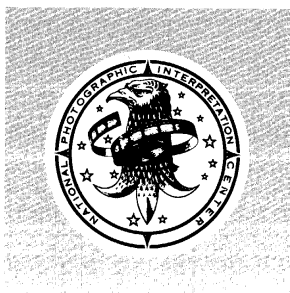


Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

**Secret**

(See inside cover)

25X1



NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER

**P**HOOTOGRAPHIC  
**E**XPLOITATION  
**P**RODUCTS

# **QUARTERLY INDEX TO PHOTOGRAPHIC EXPLOITATION PRODUCTS APRIL - JUNE 1977**

**Secret**

NPIC/R-02/77  
JULY 1977

Declass Review by NIMA/DOD

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

25X1

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

SECRET

25X1

PHOTOGRAPHIC EXPLOITATION PRODUCTS

**QUARTERLY INDEX TO  
PHOTOGRAPHIC EXPLOITATION PRODUCTS  
APRIL - JUNE 1977**

JULY 1977

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

R-02/77

SECRET

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

SECRET

25X1

## TABLE OF CONTENTS

	Page
Introduction . . . . .	v
Guide to Users . . . . .	vii
Part I. Listing of Reports Alphabetically . . . . .	1
Part II. Listing of Reports by Originator . . . . .	7
Part III. Listing of Reports by General Subject . . . . .	11
Part IV. Listing of Reports by Coordinates . . . . .	17
Part V. Listing of Reports by WAC/BE Number . . . . .	21
Part VI. Listing of Reports by Accession Number . . . . .	25

*Reverse side blank*

- iii -

SECRET

SECRET

25X1

## INTRODUCTION

The Index to Photographic Exploitation Products is a guide to the contents of reports and memoranda produced by means of photographic interpretation. These are added to the Exploitation Products Data File (EPF) of the National Base of Image-Derived Information (NBIDI) when received by the National Photographic Interpretation Center (NPIC). The index includes imagery interpretation reports produced by various components of the Army, Navy, Air Force, Central Intelligence Agency, Defense Intelligence Agency, and foreign governments, as well as those produced by NPIC. At the request of the intelligence community, this publication is compiled and published quarterly then cumulated annually by NPIC for the use of properly cleared components of USIB member organizations.

Listed documents are on file in NPIC, and microfiche copies are available to requesters when parent organizations are unable to provide copies. Information, such as bibliographies on specific subjects, is available from the EPF to answer requests which cannot be satisfied from the PEP.

Requests for regular distribution of the PEP, for additional information from the EPF, or for microfiche copies of documents should be channeled through appropriate liaison offices located in NPIC. Organizations which do not have a liaison office in NPIC should submit the request in writing to: NPIC/PSG/RSD/IB.

*Reverse side blank*

- v -

SECRET

SECRET

25X1

## GUIDE TO USERS

The PEP consists of six indexes:

- Subject in alphabetic sequence.
- Originator in report type/number sequence.
- General category with subject in alphabetic sequence.
- Geographic coordinate sequence. (Geographic coordinates are listed where a single area is involved.)

- WAC/BE number sequence.
- Accession number sequence.

The accession number sequence may be referred to for complete information on each document, including edited abstracts. An asterisk at the end of an abstract indicates the abstract was prepared by the Reports Analysis Section. Selected information is contained in the other sequences. The accession number should be used when requesting microfiche copies of documents.

## TYPICAL ACCESSION CITATION

AF REPT 15-72 14 AUG 72 SEC CLASS: 07 MSN: [ ] 3P ACCN: S059381  
BYDGOSZCZ AIRFIELD HANGARETTES U/C COVER NEW PL 530548N 0175843E  
WAC NO : 0169 BE/OBJ NO: [ ] NPIC NO : - 20-A  
IDHS CODE: [ ] EPF CAT : 05A COMIREX NO: [ ]

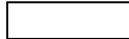
25X1

25X1  
25X1

COMMENTS AND QUERIES REGARDING THIS REPORT ARE WELCOMED.  
THEY MAY BE DIRECTED TO NPIC/PSG/RSD/IB/RAS [ ]

25X1

SECRET



25X1

ABBREVIATIONS AND NUMERIC CODES

REPORT TYPES

BIIB - Basic Imagery Interpretation Brief  
BIIR - Basic Imagery Interpretation Report  
BREF - Photographic Interpretation Brief  
DPIR - Detailed Photographic Interpretation Report  
DSIIB - Direct Support Imagery Interpretation Brief  
DSIIR - Direct Support Imagery Interpretation Report  
ENDR - Engineering Drawing  
FEDR - Detailed Photographic Interpretation Report (Far East)  
FEGR - General Photographic Interpretation Report (Far East)  
FESR - Special Photographic Interpretation Report (Far East)  
IIM - Imagery Interpretation Memorandum  
INFR - Inter-office Memorandum  
IRA - Imagery Research Aid  
LOT - Letter of Transmittal  
MEMO - Memorandum  
MODL - Model Announcement  
NAIR - New Applications of Imagery Report  
NBRG - National Basic Reference Graphic

NEDR - Detailed Photographic Interpretation Report (Near East)  
NEGR - General Photographic Interpretation Report (Near East)  
NEIR - Initial Photographic Interpretation Report (Near East)  
NESR - Special Photographic Interpretation Report (Near East)  
NEWS - Technical Newsletter  
NOTE - Photographic Interpretation Note  
PIN - Photographic Interpretation Note  
PIR - Photographic Interpretation Report  
REPT - Photographic Interpretation Report  
SPIR - Special Photographic Intelligence Report  
TP - Technical Publication

SECURITY CLASSIFICATION

00 - UNCLASSIFIED

04 - SECRET

05 - SECRET/

07 - CONFIDENTIAL

08 - CONFIDENTIAL/

25X1

25X1

SECRET

ORIGINATOR

ACDA - ARMS CONTROL AND DISARMAMENT AGENCY

AF - AIR FORCE

ARMY - ARMY

CIA - CENTRAL INTELLIGENCE AGENCY

DIA - DEFENSE INTELLIGENCE AGENCY

GMAIC - GUIDED MISSILE AND ASTRONAUTICS INTELLIGENCE  
COMMITTEE

JOINT - JOINT (2 or more USIB members participating)

NATO - NORTH ATLANTIC TREATY ORGANIZATION

NAVY - NAVY

NPIC - NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

NSA - NATIONAL SECURITY AGENCY

NTPC - NATIONAL TECHNICAL PROCESSING CENTER

SAC - SAC (544th RTS)

SAC-1 - SAC-1 (8th RTS)

SAC-2 - SAC-2 (3921 ST RTS)

SAC-C - SAC-C (15th RTS)

STL - SPACE TECHNOLOGY LABORATORY

USIB - UNITED STATES INTELLIGENCE BOARD

**SECRET**

25X1

EPF SUBJECT CATEGORIES

05 - AIR ACTIVITY

Airfields, seaplane stations, aircraft, storage, production, research, training, aerohydrodynamic vehicles, and air defense activity.

10 - GENERAL ACTIVITY

Complex studies, unidentified installations/equipment, and terrain or agriculture analyses.

13 - BIOLOGICAL/CHEMICAL WARFARE ACTIVITY

Research, production, testing, training, and storage.

15 - COMPREHENSIVE REPORTS

Mission readouts, summaries, and country or area studies.

25 - ELECTRONICS/COMMUNICATIONS ACTIVITY

Radar and radio installations/equipment, missile, air, naval related installations/equipment, production, research, testing.

30 - INDUSTRIAL ACTIVITY

Raw materials, basic processing, heavy and light industry, chemical plants, and power facilities. (For shipbuilding, see NAVAL. For nuclear power plants, see NUCLEAR.)

35 - MILITARY ACTIVITY

Ground force installations/equipment, production, testing, research, and repair.

40 - MISSILES & SPACE ACTIVITY

Sites, research, production, storage, and equipment.

55 - NUCLEAR ACTIVITY

Mining, production, research, testing, storage, and nuclear power plants.

60 - OVERLAYS/PLOTS

Mission Coverage Plots, Mission Coverage Statistics, tracks, and annotated maps.

65 - RESEARCH AND DEVELOPMENT ACTIVITY

Technical publications and miscellaneous R&D installations.

75 - NAVAL ACTIVITY

Submarine bases, naval bases and air stations, shipyards, research, and equipment.

80 - STORAGE ACTIVITY (NON-MILITARY)

POL storage, agricultural storage, and industrial storage.

85 - TRANSPORT AND PIPELINE ACTIVITY

Road and rail activity, pipelines, and canal systems.

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

## PART I

Listing of Reports Alphabetically

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

25X1

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Next 5 Page(s) In Document Exempt

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

## PART II

Listing of Reports by Originator

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

SECRET/ 

R-02/77

25X1

ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
AF	DSIIB	BEE10-8002-77	29 NOV 76		05	S079521
AF	DSIIR	REE22-8004-77	25 DEC 76		05	S079503
AF	DSIIR	REE25-8016-76	02 OCT 76		05	S079504
AF	ENDR	A4001-76	19 SEP 76		04	S079669
AF	ENDR	B3002-77	20 JAN 77		07	S079671
AF	ENDR	C3001-77	12 JAN 77		07	S079674
AF	ENDR	E1001-77	12 JAN 77		07	S079698
AF	ENDR	E1002-76	10 NOV 76		04	S079701
AF	ENDR	E1002-77	14 JAN 77		05	S079699
AF	ENDR	E1003-77	14 JAN 77		05	S079700
AF	ENDR	D1018-1-76	14 JAN 77		04	S079690
AF	PAR	1-77	14 JAN 77		08	S079650
ARMY	BIIR	RAC24-5002-77	FEB 77		05	S079574
ARMY	BIIR	RAC24-5004-77	MAR 77		07	S079717
ARMY	DSIIB	BAC24-8001-77	MAR 77		05	S079493
ARMY	DSIIR	DSIIR01-76	DEC 76		05	S079501
ARMY	DSIIR	RAC24-8001-77	JAN 77		05	S079565
ARMY	DSIIR	RAC24-8006-76	JAN 77		05	S079494
ARMY	NOTE	6-77	JAN 77		05	S079566
ARMY	NOTE	8-77	FEB 77		05	S079567

25X1

7  
SECRET/ 

25X1

SECRET/

R=02/77

25X1

ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
CIA	BIIR	RCS13-0004-77	APR 77		05	S079910
CIA	INFR	LFD056-77	07 FEB 77		05	S079757
CIA	INFR	TSD054-77	10 MAR 77		05	S079756
CIA	NOTE	ISSN0001-77	10 JAN 77		05	S079016
CIA	REPT	IS10003-77	FEB 77		05	S079518
DIA	NBRG	NDA06-5013-77	30 DEC 76		04	S079018
DIA	NBRG	NDA06-5014-77	30 DEC 76		05	S079019
DIA	NBRG	NDA06-5015-77	30 DEC 76		05	S079020
DIA	NBRG	NDA06-5016-77	30 DEC 76		05	S079021
DIA	NBRG	NDA06-5017-77	30 DEC 76		05	S079022
DIA	NBRG	NDA06-5018-77	30 DEC 76		05	S079023
DIA	NBRG	NDA06-5019-77	30 DEC 76		05	S079024
DIA	NBRG	NDA06-5025-77	31 JAN 77		05	S079201
DIA	NBRG	NDA06-5026-77	31 JAN 77		05	S079202
DIA	NBRG	NDA06-5027-77	31 JAN 77		05	S079203
DIA	NBRG	NDA06-5028-77	31 JAN 77		05	S079204
DIA	NBRG	NDA06-5029-77	01 FEB 77		05	S079212
DIA	NBRG	NDA06-5030-77	01 FEB 77		05	S079213
DIA	NBRG	NDA06-5031-77	01 FEB 77		05	S079214
DIA	NBRG	NDA06-5032-77	01 FEB 77		05	S079215

8  
SECRET/

25X1

SECRET 

R-02/77

25X1

ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA06-5033-77	01 FEB 77		05	S079216
DIA	NBRG	NDA06-5034-77	04 FEB 77		05	S079218
DIA	NBRG	NDA06-5035-77	04 FEB 77		05	S079219
DIA	NBRG	NDA06-5036-77	07 FEB 77		05	S079209
DIA	NBRG	NDA06-5037-77	07 FEB 77		05	S079210
DIA	NBRG	NDA06-5038-77	07 FEB 77		05	S079211
DIA	NBRG	NDA06-5039-77	14 FEB 77		05	S079205
DIA	NBRG	NDA06-5040-77	14 FEB 77		05	S079206
DIA	NBRG	NDA06-5041-77	22 FEB 77		05	S079361
DIA	NBRG	NDA06-5042-77	22 FEB 77		05	S079362
DIA	NBRG	NDA06-5043-77	22 FEB 77		05	S079363
DIA	NBRG	NDA07-5138-77	27 JAN 77		05	S079146
DIA	NBRG	NDA07-5139-77	27 JAN 77		05	S079147
DIA	NBRG	NDA07-5140-77	27 JAN 77		05	S079148
DIA	NBRG	NDA07-5141-77	27 JAN 77		05	S079149
DIA	NBRG	NDA07-5142-77	27 JAN 77		05	S079150
DIA	NBRG	NDA07-5143-77	07 FEB 77		05	S079199
DIA	NBRG	NDA07-5144-77	07 FEB 77		05	S079200
DIA	NBRG	NDA07-5145-77	07 FEB 77		05	S079220
DIA	NBRG	NDA07-5146-77	07 FEB 77		05	S079221
DIA	NBRG	NDA07-5147-77	07 FEB 77		05	S079153

9  
SECRET 

25X1

SECRET

R-02/77

25X1

ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA07-5148-77	07 FEB 77		05	S079154
DIA	NBRG	NDA07-5149-77	07 FEB 77		05	S079156
DIA	NBRG	NDA07-5150-77	07 FEB 77		05	S079151
DIA	NBRG	NDA07-5151-77	07 FEB 77		05	S079152
DIA	NBRG	NDA07-5152-77	04 MAR 77		05	S079509
DIA	NBRG	NDA07-5153-77	04 MAR 77		05	S079510
DIA	NBRG	NDA07-5154-77	04 MAR 77		05	S079511
DIA	NBRG	NDA07-5155-77	04 MAR 77		05	S079507
DIA	NBRG	NDA07-5156-77	04 MAR 77		05	S079508
DIA	NBRG	NDA07-5157-77	04 MAR 77		05	S079512

25X1

NAVY	DSIIR	RMC06-8004-76	NOV 76		05	S079562
NAVY	DSIIR	RMC25-8001-77	FEB 77		05	S079561
NPIC	NAIR	R01-76	DEC 76		05	S079563

25X1

10  
SECRET

25X1

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

### PART III

Listing of Reports by General Subject

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

25X1

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Next 5 Page(s) In Document Exempt

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

#### PART IV

Listing of Reports by Coordinates

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

25X1

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Next 3 Page(s) In Document Exempt

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

#### PART V

Listing of Reports by WAC/BE Number

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

25X1

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Next 3 Page(s) In Document Exempt

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

## PART VI

Listing of Reports by Accession Number

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

SECRET

R-02/77

25X1

CIA NOTE ISSN0001-77 10 JAN 77

SEC CLASS: 05 MSN:

10P

ACCN: S079016

MILITARY, PONTOON BRIDGE REGTS MR HQ ASSOC

WAC NO : BE/OBJ NO:

IDHS CODE: EPF CAT : 35

NABEREZHNYE CHELNY MOTOR VEH PLT KAMAZ TRKS

WAC NO : 0165 BE/OBJ NO:

IDHS CODE: EPF CAT : 85A

TANGSHAN HEAT + THERMAL POWER PLANT RECONST

WAC NO : 0381 BE/OBJ NO:

IDHS CODE: EPF CAT : 30E

LIYUANCHEN THERMAL POWER PLANT RECONSTRUCTION

WAC NO : 0381 BE/OBJ NO:

IDHS CODE: EPF CAT : 30E

HAI PHONG CEMENT PLANT RECONSTRUCTION

WAC NO : 0616 BE/OBJ NO:

IDHS CODE: EPF CAT : 30B

ELECTRONICS/ECM FACILITY PROB IDENTIFICATION

WAC NO : BE/OBJ NO:

IDHS CODE: EPF CAT : 25

CH

NPIC NO :

COMIREX NO:

UR 554130N 0522730E

NPIC NO : - 35-D

COMIREX NO:

CH 393851N 1181154E

NPIC NO : - 65-C

COMIREX NO:

CH 394615N 1181640E

NPIC NO : - 119-C1

COMIREX NO:

VM 205149N 1064023E

NPIC NO : - 109-P1

COMIREX NO:

IR

NPIC NO :

COMIREX NO:

DIA NBRG NDA06-5013-77 30 DEC 76

SEC CLASS: 04 MSN:

1P

ACCN: S079018

SHANGHAI NAVAL FACILITIES APPROACHES

WAC NO : 0492 BE/OBJ NO:

IDHS CODE: EPF CAT : 75

CH 3113 N 12128 E

NPIC NO :

COMIREX NO:

DIA NBRG NDA06-5014-77 30 DEC 76

SEC CLASS: 056 MSN:

1P

ACCN: S079019

SHANGHAI SHIPYARD KIANGNAN DOCK COMPANY

WAC NO : 0492 BE/OBJ NO:

IDHS CODE: EPF CAT : 75E

CH 311205N 1212901E

NPIC NO : - 28-R

COMIREX NO:

DIA NBRG NDA06-5015-77 30 DEC 76

SEC CLASS: 056 MSN:

1P

ACCN: S079020

SHANGHAI SHIPYARD CHIUHSIN

WAC NO : 0492 BE/OBJ NO:

IDHS CODE: EPF CAT : 75E

CH 311240N 1212941E

NPIC NO : - 28-S3

COMIREX NO:

DIA NBRG NDA06-5016-77 30 DEC 76

SEC CLASS: 056 MSN:

1P

ACCN: S079021

SHANGHAI NAVAL BASE + SHIPYARD INTERNATIONAL

CH 311538N 1213240E

25

SECRET

25X1

SECRET/[ ]

R-02/77

25X1

25X1 WAC NO : 0492 BE/OBJ NO: [ ] NPIC NO : - 28-S4  
25X1 IDHS CODE: [ ] EPF CAT : 75 COMIREX NO: [ ] 25X1

DIA NBRG NDA06-5017-77 30 DEC 76 SEC CLASS: 05G MSN: 1P ACCN: S079022

25X1 SHANGHAI NAVAL BASE + SHIPYARD HUTUNG CH 311647N 1213401E  
25X1 WAC NO : 0492 BE/OBJ NO: [ ] NPIC NO : - 28-S1  
25X1 IDHS CODE: [ ] EPF CAT : 75 COMIREX NO: [ ] 25X1

DIA NBRG NDA06-5018-77 30 DEC 76 SEC CLASS: 05G MSN: 1P ACCN: S079023

25X1 SHANGHAI SHIPYARD CHUNGHUA CH 311703N 1213334E  
25X1 WAC NO : 0492 BE/OBJ NO: [ ] NPIC NO : - 28-S2  
25X1 IDHS CODE: [ ] EPF CAT : [ ] COMIREX NO: [ ] 25X1

DIA NBRG NDA06-5019-77 30 DEC 76 SEC CLASS: 05G MSN: 1P ACCN: S079024

25X1 SHANGHAI NAVAL BASE WUSUNG CH 312340N 1212959E  
25X1 WAC NO : 0492 BE/OBJ NO: [ ] NPIC NO : - 37-D  
25X1 IDHS CODE: [ ] EPF CAT : 75B COMIREX NO: [ ] 25X1

DIA NBRG NDA07-5138-77 27 JAN 77 SEC CLASS: 05G MSN: 1P ACCN: S079146

25X1 CHITA MILITARY BARRACKS AL4/HQ TRANSBAYKAL MD UR 520207N 1133022E  
25X1 WAC NO : 0199 BE/OBJ NO: [ ] NPIC NO :  
25X1 IDHS CODE: [ ] EPF CAT : [ ] COMIREX NO: 1P ACCN: S079147

DIA NBRG NDA07-5139-77 27 JAN 77 SEC CLASS: 05G MSN: 1P

25X1 KYAKHTA ARMY BARRACKS AL3 UR 502145N 1062725E  
25X1 WAC NO : 0201 BE/OBJ NO: [ ] NPIC NO : - 5-B4  
25X1 IDHS CODE: [ ] EPF CAT : [ ] COMIREX NO: 1P ACCN: S079148

DIA NBRG NDA07-5140-77 27 JAN 77 SEC CLASS: 05G MSN: 1P

25X1 NYANGI SAM SUPPORT FACILITY UR 504223N 1061030E  
25X1 WAC NO : 0201 BE/OBJ NO: [ ] NPIC NO : - 58-A3  
25X1 IDHS CODE: [ ] EPF CAT : 40C COMIREX NO: [ ] 25X1

DIA NBRG NDA07-5141-77 27 JAN 77 SEC CLASS: 05G MSN: 1P ACCN: S079149

TSUGOL ARMY BARRACKS AL1 UR 510338N 1153824E

26  
SECRET/[ ]

25X1

SECRET

R-02/77

25X1

25X1  
25X1

WAC NO : 0202

BE/OBJ NO: [REDACTED]

NPIC NO : - 16-A

IDHS CODE: [REDACTED]

EPF CAT : 35A

COMIREX NO: [REDACTED]

25X1

DIA NBRG NDA07-5142-77 27 JAN 77

SEC CLASS: 05G MSN:

1P

ACCN: S079150

DAURIYA ARMY BARRACKS AL3

WAC NO : 0202

BE/OBJ NO: [REDACTED]

UR 495525N 1165115E

IDHS CODE: [REDACTED]

EPF CAT :

NPIC NO : - 5-A6

COMIREX NO:

25X1  
25X1

DIA NBRG NDA07-5150-77 07 FEB 77

SEC CLASS: 05B MSN:

1P

ACCN: S079151

KORCE ARMY BARRACKS SOUTH 1

WAC NO : 0322

BE/OBJ NO: [REDACTED]

AL 403639N 0204647E

IDHS CODE: [REDACTED]

EPF CAT :

NPIC NO : - 39-A

COMIREX NO: [REDACTED]

25X1

DIA NBRG NDA07-5151-77 07 FEB 77

SEC CLASS: 05B MSN:

1P

ACCN: S079152

BILISHT MILITARY BARRACKS 1

WAC NO : 0322

BE/OBJ NO: [REDACTED]

AL 403726N 0205921E

IDHS CODE: [REDACTED]

EPF CAT :

NPIC NO : - 39-D

COMIREX NO: [REDACTED]

25X1

DIA NBRG NDA07-5147-77 07 FEB 77

SEC CLASS: 05G MSN:

1P

ACCN: S079153

NAUSHKI ARMY BARRACKS AL2

WAC NO : 0201

BE/OBJ NO: [REDACTED]

UR 502140N 1061020E

IDHS CODE: [REDACTED]

EPF CAT :

NPIC NO : - 61-A1

COMIREX NO: [REDACTED]

25X1

DIA NBRG NDA07-5148-77 07 FEB 77

SEC CLASS: 05G MSN:

2P

ACCN: S079154

BIROBIDZHAN MILITARY BARRACKS AL1 + HQ MRD

WAC NO : 0203

BE/OBJ NO: [REDACTED]

UR 484705N 1325327E

IDHS CODE: [REDACTED]

EPF CAT : 35A

NPIC NO : - 6-6

COMIREX NO: [REDACTED]

25X1  
25X1

DIA NBRG NDA07-5149-77 07 FEB 77

SEC CLASS: 05G MSN:

1P

ACCN: S079156

BIROBIDZHAN ARMY BARRACKS SSE AL3/SA-4 BRGD

WAC NO : 0203

BE/OBJ NO: [REDACTED]

UR 484333N 1325831E

IDHS CODE: [REDACTED]

EPF CAT : 35A

NPIC NO : - 6-D1

COMIREX NO: [REDACTED]

25X1  
25X1

BIROBIDZHAN ARMY BARRACKS SSE AL3/SA-4 BRGD

WAC NO : 0203

BE/OBJ NO: [REDACTED]

UR 484333N 1325831E

IDHS CODE: [REDACTED]

EPF CAT : 40C

NPIC NO : - 6-D1

COMIREX NO: [REDACTED]

25X1  
25X1

27

SECRET

25X1

SECRET

P-02/77

25X1

DIA	NBRG	NDA07-5143-77	07 FEB 77	SEC CLASS: 05B	MSN:	1P	ACCN: S079199
25X1		ORZYSZ SA-3 TRAINING SITE A14		PL	534354N 0220439E		
25X1		WAC NO : 0168	BE/OBJ NO	NPIC NO	: - 50-B1		
		IDHS CODE: [ ]	EPF CAT	COMIREX NO:	[ ]		25X1
DIA	NBRG	NDA07-5144-77	07 FEB 77	SEC CLASS: 05B	MSN:	1P	ACCN: S079200
		KOSZALIN ARMY BARRACKS NAPOLA 1		PL	541150N 0161250E		
25X1		WAC NO : 0169	BE/OBJ NO	NPIC NO	: - 241-A		25X1
		IDHS CODE: [ ]	EPF CAT	COMIREX NO:	[ ]		
DIA	NBRG	NDA06-5025-77	31 JAN 77	SEC CLASS: 05G	MSN:	1P	ACCN: S079201
		VLADIVOSTOK NAVAL FACILITIES APPROACHE		UR	4304 N 13154 E		
25X1		WAC NO : 0291	BE/OBJ NO	NPIC NO	:		
		IDHS CODE: [ ]	EPF CAT	COMIREX NO:	[ ]		
DIA	NBRG	NDA06-5026-77	31 JAN 77	SEC CLASS: 05G	MSN:	1P	ACCN: S079202
		VLADIVOSTOK MISSILE PATROL BOAT BASE		UR	430420N 1315541E		
25X1		WAC NO : 0291	BE/OBJ NO	NPIC NO	: - 48-C3		25X1
		IDHS CODE: [ ]	EPF CAT	COMIREX NO:	[ ]		
DIA	NBRG	NDA06-5027-77	31 JAN 77	SEC CLASS: 05G	MSN:	1P	ACCN: S079203
		VLADIVOSTOK SUBMARINE BASE ULIS BUKHTA		UR	430445N 1315501E		
25X1		WAC NO : 0291	BE/OBJ NO	NPIC NO	: - 48-S		25X1
		IDHS CODE: [ ]	EPF CAT	COMIREX NO:	[ ]		
DIA	NBRG	NDA06-5028-77	31 JAN 77	SEC CLASS: 05G	MSN:	1P	ACCN: S079204
		VLADIVOSTOK NAVAL BASE PARIS BUKHTA		UR	430049N 1315440E		
25X1		WAC NO : 0291	BE/OBJ NO	NPIC NO	: - 48-M		25X1
		IDHS CODE: [ ]	EPF CAT : 75B	COMIREX NO:	[ ]		
DIA	NBRG	NDA06-5039-77	14 FEB 77	SEC CLASS: 05B	MSN:	1P	ACCN: S079205
		POLYARNYY/OLENYA GUBA NAVAL FACILS APPROACHES		UR	6912 N 03327 E		
25X1		WAC NO : 0051	BE/OBJ NO: [ ]	NPIC NO	:		
25X1		IDHS CODE: [ ]	EPF CAT : 75	COMIREX NO:	[ ]		

28  
SECRET

25X1

SECRET

R-02/77

25X1

DIA NBRG NDA06-5040-77 14 FEB 77 SEC CLASS: 05B MSN: 1P ACCN: S079206  
OLENYA GUBA SUBMARINE BASE  
WAC NO : 0051 BE/OBJ NO: NPIC NO : - 19-A  
IDHS CODE: EPF CAT : 75A COMIREX NO:  
DIA NBRG NDA06-5036-77 07 FEB 77 SEC CLASS: 05G MSN: 1P ACCN: S079209  
HULUTAO NAVAL BASE/SHIPYARD/PORT FACILITY  
WAC NO : 0289 BE/OBJ NO: NPIC NO : - 14-C  
IDHS CODE: EPF CAT : COMIREX NO:  
DIA NBRG NDA06-5037-77 07 FEB 77 SEC CLASS: 05G MSN: 1P ACCN: S079210  
WUHAN SHIPYARD WUCHANG  
WAC NO : 0493 BE/OBJ NO: NPIC NO : - 38-A  
IDHS CODE: EPF CAT : COMIREX NO:  
DIA NBRG NDA06-5038-77 07 FEB 77 SEC CLASS: 05G MSN: 1P ACCN: S079211  
HSIAOPINGTAO SUBMARINE BASE  
WAC NO : 0381 BE/OBJ NO: NPIC NO : - 18-T  
IDHS CODE: EPF CAT : COMIREX NO:  
DIA NBRG NDA06-5029-77 01 FEB 77 SEC CLASS: 05G MSN: 1P ACCN: S079212  
STRELOK ZALIV NAVAL FACILITIES APPROACHES  
WAC NO : 0291 BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : COMIREX NO:  
DIA NBRG NDA06-5030-77 01 FEB 77 SEC CLASS: 05G MSN: 1P ACCN: S079213  
ABREK BUKHTA NAVAL BASE PROMYSLOVKA  
WAC NO : 0291 BE/OBJ NO: NPIC NO : - 64  
IDHS CODE: EPF CAT : COMIREX NO:  
DIA NBRG NDA06-5031-77 01 FEB 77 SEC CLASS: 05G MSN: 1P ACCN: S079214  
STRELOK ZALIV SUBMARINE BASE PAVLOVSKOGO  
WAC NO : 0291 BE/OBJ NO: NPIC NO : - 65  
IDHS CODE: EPF CAT : 75A COMIREX NO:

29  
SECRET

25X1

SECRET/

P-02/77

25X1

DIA NBRG NDA06-5032-77 01 FEB 77 SEC CLASS: 05G MSN: 1P ACCN: S079215  
DUNAY SUBMARINE BASE + SHPYD RAZBOYNIK BUKHTA UR 425356N 1322118E  
WAC NO : 0291 BE/OBJ NO: NPIC NO : - 4-C  
IDHS CODE: EPF CAT : COMIREX NO: 25X1  
DIA NBRG NDA06-5033-77 01 FEB 77 SEC CLASS: 05G MSN: 1P ACCN: S079216  
DUNAY SUBMARINE BASE KONYUSHKOVA BUKHTA UR 425159N 1322158E  
WAC NO : 0291 BE/OBJ NO: NPIC NO : - 4-G  
IDHS CODE: EPF CAT : COMIREX NO: 25X1  
DIA NBRG NDA06-5034-77 04 FEB 77 SEC CLASS: 05B MSN: 1P ACCN: S079218  
BALTIYSK NAVAL FACILITIES APPROACHES UR 5438 N 01955 E  
WAC NO : 0169 BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : COMIREX NO:  
DIA NBRG NDA06-5035-77 04 FEB 77 SEC CLASS: 05B MSN: 1P ACCN: S079219  
BALTIYSK NAVAL BASE UR 543824N 0195510E  
WAC NO : 0169 BE/OBJ NO: NPIC NO : - 6-E  
IDHS CODE: EPF CAT : COMIREX NO: 25X1  
DIA NBRG NDA07-5145-77 07 FEB 77 SEC CLASS: 05B MSN: 1P ACCN: S079220  
CHADAN ARMY BARRACKS AL1 UR 511755N 0913540E  
WAC NO : 0240 BE/OBJ NO: NPIC NO : - 101  
IDHS CODE: EPF CAT : COMIREX NO: 25X1  
DIA NBRG NDA07-5146-77 07 FEB 77 SEC CLASS: 05B MSN: 1P ACCN: S079221  
NAKHICHEVAN ARMY BARRACKS NORTH AL1/SAM SUPT UR 391324N 0452430E  
WAC NO : 0340 BE/OBJ NO: NPIC NO : - 4-A  
IDHS CODE: EPF CAT : 35A COMIREX NO: 25X1  
NAKHICHEVAN ARMY BARRACKS NORTH AL1/SAM SUPT UR 391324N 0452430E  
WAC NO : 0340 BE/OBJ NO: NPIC NO : - 4-A  
IDHS CODE: EPF CAT : 40C COMIREX NO: 25X1  
DIA NBRG NDA06-5041-77 22 FEB 77 SEC CLASS: 05B MSN: 1P ACCN: S079361  
GORKIY SHIPYARD 112 UR 562142N 0435228E

30  
SECRET/

25X1

SECRET/

R-02/77

25X1

25X1 WAC NO : 0154 BE/OBJ NO: NPIC NO : - 13-C  
 25X1 IDHS CODE: EPF CAT : COMIREX NO: 25X1

DIA NBRG NDA06-5042-77 22 FEB 77 SEC CLASS: 05B MSN: 1P ACCN: S079362

GREMIKHA NAVAL BASE + SHIP REPAIR YARD  
 WAC NO : 0051 BE/OBJ NO: NPIC NO : - 38-A  
 25X1 IDHS CODE: EPF CAT : COMIREX NO: 25X1

DIA NBRG NDA06-5043-77 22 FEB 77 SEC CLASS: 05B MSN: 1P ACCN: S079363

LITSA GUBA SUBMARINE BASE SOUTH  
 WAC NO : 0051 BE/OBJ NO: NPIC NO : - 40-C  
 25X1 IDHS CODE: EPF CAT : 75A COMIREX NO: 25X1

ARMY DSIIB BAC24-8001-77 MAR 77 SEC CLASS: 05B MSN: 4P ACCN: S079493

MILITARY, M-1967 122MM SELF-PROPELLED HOW CH  
 WAC NO : BE/OBJ NO: NPIC NO :  
 25X1 IDHS CODE: EPF CAT : 35E COMIREX NO:

THE PURPOSE OF THIS BRIEF IS TO PROVIDE CURRENT INFORMATION ON THE PEOPLES REPUBLIC OF CHINA'S (PRC) 122 MM SELF-PROPELLED HOWITZER M1967. THIS INFORMATION IS DERIVED FROM PHOTOGRAPHS RECORDED FROM CHINESE TELEVISION IN HONG KONG AND FROM SATELLITE IMAGERY. AN INTRODUCTION, A BASIC DESCRIPTION, TWO PHOTOGRAPHS, AN ANNOTATED PRINT, AND A LINE DRAWING ARE INCLUDED. THIS INFORMATION IS CURRENT AS OF

ARMY DSIIR RAC24-8006-76 JAN 77 SEC CLASS: 05 MSN: 47P ACCN: S079494

MILITARY, ROCKET LAUNCHER UNITS/INSTLS/TRNG KN  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 35 COMIREX NO:

MILITARY, BM-14/17 140MM RKT LNCHR GAZ-63 MTD UR  
 WAC NO : BE/OBJ NO: NPIC NO :  
 25X1 IDHS CODE: EPF CAT : 35E COMIREX NO: 25X1

MILITARY, BMD-20 200MM RKT LNCHR ZIL-151 MTD UR  
 WAC NO : BE/OBJ NO: NPIC NO :  
 25X1 IDHS CODE: EPF CAT : 35E COMIREX NO: 25X1

MILITARY, BM-24 240MM RKT LNCHR ZIL-151 MTD UR  
 WAC NO : BE/OBJ NO: NPIC NO :  
 25X1 IDHS CODE: EPF CAT : 35E COMIREX NO: 25X1

MILITARY, BM-21 122MM RKT LNCHR URAL-375 MTD UR  
 WAC NO : BE/OBJ NO: NPIC NO :

31  
SECRET

25X1

SECRET

R-02/77

25X1

25X1 IDHS CODE: EPF CAT : 35E COMIREX NO:  
MILITARY, BM-13 132MM RKT LNCHR ZIL-151 MTD UR  
WAC NO : BE/OBJ NO:  NPIC NO :  
25X1 IDHS CODE: EPF CAT : 35E COMIREX NO:  
MILITARY, BM-14/16 140MM ROCKET LAUNCHER UR  
WAC NO : BE/OBJ NO:  NPIC NO :  
IDHS CODE: EPF CAT : 35E COMIREX NO:

THE PURPOSE OF THIS DIRECT SUPPORT IMAGERY INTERPRETATION REPORT (DSIIR) IS TO UPDATE THE UNIT HOLDINGS OF TRUCK-MOUNTED MULTIPLE ROCKET LAUNCHERS (MRL'S), TO IDENTIFY MRL'S BY TYPE, AND TO DETERMINE THE ECHELON OF MRL UNITS IN NORTH KOREA.

THE REPORT CONTAINS A BRIEF DESCRIPTION OF THE MRL'S IN THE NORTH KOREAN INVENTORY, THE INSTALLATIONS AND THE TRAINING FACILITIES OF MRL UNITS, AND COMMENTS AS TO THEIR ORGANIZATION. ALSO INCLUDED IS A BREAKDOWN BY CORPS AREAS OF EACH INSTALLATION CONTAINING MRL'S. THE DSIIR CONSISTS OF 6 PAGES OF TEXT, 17 PHOTOGRAPHS, 2 ARTIST CONCEPTS, 2 TABLES, 2 ORGANIZATIONAL CHARTS, 8 PAGES OF EQUIPMENT SIGHTINGS, 8 PAGES OF INSTALLATION INFORMATION, AND 7 MAPS.

25X1 IMAGERY FROM  WAS REVIEWED FOR THIS REPORT, AND THE INFORMATION IS CURRENT AS  
25X1 OF

25X1

32  
SECRET

25X1

25X1

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

SECRET

R-02/77

25X1

AF DSIR REE25-8016-76 02 OCT 76 SEC CLASS: 05 MSN: 19P ACCN: S079504

MILITARY, GROUND FORCES MODERNIZATION S6F  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 35 COMIREX NO:  
 AIRFIELDS, MODERNIZATION S6F  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 05A COMIREX NO:  
 MISSILES, SAM MODERNIZATION S6F  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 40C COMIREX NO:

THIS DIRECT SUPPORT IMAGERY INTERPRETATION REPORT (DSIR) PRESENTS INFORMATION ON THE SOVIET SOUTHERN GROUP OF FORCES (S6F) IN HUNGARY. IT SPECIFICALLY DEALS WITH THE UPGRADING OF SOVIET WEAPON INVENTORIES IN THE CATEGORIES OF AIR, MISSILE, AND GROUND FORCES. THE REPORT ADDRESSES ONLY SIGNIFICANT CHANGES THAT HAVE OCCURRED WITHIN THE S6F IN RECENT YEARS; IT IS NOT INTENDED TO BE AN INCLUSIVE ANALYSIS OF ALL CURRENT S6F ACTIVITY. THE REPORT CONSISTS OF A DESCRIPTION OF ACTIVITY, ANNOTATED PHOTOGRAPHS AND A MAP REFERENCE. THE INFORMATION PRESENTED IS CURRENT AS OF [REDACTED] AND WAS DERIVED FROM THE EXPLOITATION OF SATELLITE IMAGERY AND DATA OBTAINED FROM COLLATERAL INTELLIGENCE SOURCES.

DIA NBRG NDA07-5155-77 04 MAR 77 SEC CLASS: 05B MSN: 1P ACCN: S079507

CHARDZHOU ARMY BARRACKS AL6  
 WAC NO : 0337 BE/OBJ NO: NPIC NO : - 1-H1  
 IDHS CODE: EPF CAT : COMIREX NO:

DIA NBRG NDA07-5156-77 04 MAR 77 SEC CLASS: 05B MSN: 1P ACCN: S079508

KIZYL ARVAT ARMY BARRACKS AL5  
 WAC NO : 0338 BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : COMIREX NO:

DIA NBRG NDA07-5152-77 04 MAR 77 SEC CLASS: 05G MSN: 1P ACCN: S079509

ARKHARA ARMY BARRACKS AL1  
 WAC NO : 0203 BE/OBJ NO: NPIC NO : - 1-A  
 IDHS CODE: EPF CAT : COMIREX NO:

DIA NBRG NDA07-5153-77 04 MAR 77 SEC CLASS: 05G MSN: 1P ACCN: S079510

NALAYH ARMY BARRACKS AL1 MG 473135N 1071845E

34  
SECRET

25X1

SECRET

R-02/77

25X1

25X1  
25X6

WAC NO : 0285

BE/OBJ NO: [REDACTED]

NPIC NO : - 12-C

IDHS CODE: [REDACTED]

EPF CAT : 35A

COMIREX NO: [REDACTED]

DIA NBRG NDA07-5154-77 04 MAR 77

SEC CLASS: 05G MSN:

1P

ACCN: S079511

25X1

SMOLYANINOV ARMY BARRACKS AL1/TRNG AREA TA3

UR 431808N 1322816E

WAC NO : 0291

BE/OBJ NO: [REDACTED]

NPIC NO : - 38-A

IDHS CODE: [REDACTED]

EPF CAT : 35

COMIREX NO: [REDACTED]

DIA NBRG NDA07-5157-77 04 MAR 77

SEC CLASS: 05G MSN:

1P

ACCN: S079512

25X1

ULAN UDE ARMY BARRACKS AL8

UR 514800N 1073915E

WAC NO : 0201

BE/OBJ NO: [REDACTED]

NPIC NO : - 18-C5

IDHS CODE: [REDACTED]

EPF CAT : [REDACTED]

COMIREX NO:

CIA REPT IS10003-77 FEB 77

SEC CLASS: 05 MSN:

4P

ACCN: S079518

25X1  
25X1

MISSILES, SA-8

WAC NO :

BE/OBJ NO: [REDACTED]

UR

IDHS CODE:

EPF CAT : 40C

NPIC NO :

COMIREX NO:

THE SA-8 IS A HIGHLY MOBILE, TACTICAL, SURFACE-TO-AIR MISSILE (SAM) SYSTEM. THE ESSENTIAL ELEMENTS OF THIS SYSTEM ARE THE SA-8 (GECKO) MISSILE AND ITS TRANSPORTER-ERECTOR-LAUNCHER (TEL). THE GECKO MISSILE IS A RELATIVELY SMALL, COMMAND-GUIDED MISSILE WHICH WILL OPERATE AT LOW-TO-MEDIUM ALTITUDES. THE TEL IS AMPHIBIOUS AND HAS FOUR MISSILE LAUNCH RAILS, AN ACQUISITION RADAR, AND A FIRE CONTROL UNIT MOUNTED ON IT. BECAUSE EACH VEHICLE IS A COMPLETE FIRING UNIT, THIS SYSTEM REPRESENTS A SIGNIFICANT DESIGN IMPROVEMENT OVER THE SA-4 AND SA-6 SAM SYSTEMS. THIS UNIT IS MORE EFFICIENT AND HAS IMPROVED SURVIVABILITY.

25X6

NAVY USIIR RMC25-8001-77

FEB 77

SEC CLASS: 05 MSN:

34P

ACCN: S079561

35

SECRET/ [REDACTED]

25X1



SECRET, [REDACTED]

R-02/77

25X1

BASES, FACILITIES, AND SHIPYARDS ENGAGED IN NAVAL CONSTRUCTION AND REPAIR.\*

NPIC NAIR R01-76 DEC 76 SEC CLASS: 05 MSN: 11P ACCN: S079563

PHOTO: BAYESIAN APPROACH IMAGERY INTELLIGENCE

WAC NO : BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 65 COMIREX NO:

THIS REPORT DESCRIBES A BAYESIAN ANALYSIS APPROACH TO SOLVING AN IMAGERY-RELATED INTELLIGENCE PROBLEM. BAYESIAN ANALYSIS IS AN ANALYTICAL TOOL THAT UTILIZES DATA FROM ALL SOURCES, INCLUDING SUBTLE PHOTOGRAPHIC INFORMATION. IT CAN COMBINE ANALYSIS FROM SEVERAL INDIVIDUALS, AND IS STATISTICALLY REPEATABLE. THE PURPOSE OF THIS REPORT IS TO SHOW HOW THIS TECHNIQUE CAN BE APPLIED TO THE TYPE OF INTELLIGENCE PROBLEM AN IMAGERY ANALYST ENCOUNTERS AND TO DEMONSTRATE HOW THE TECHNIQUE CAN TAKE ADVANTAGE OF IMAGERY INFORMATION.

25X6

\*

ARMY NOTE 6-77 JAN 77 SEC CLASS: 05P MSN: 17P ACCN: S079566

MILITARY, T-72 MEDIUM TANK

WAC NO : BE/OBJ NO: [REDACTED] UR  
IDHS CODE: EPF CAT : 35E NPIC NO :  
COMIREX NO:

SOME OF THE MORE SIGNIFICANT FEATURES THAT WERE OBSERVED ON THE T-72 TANK ARE --  
A. A NEW MAIN GUN, ASSESSED TO BE 115MM, WITH A THERMAL SHIELD WHICH WILL IMPROVE ACCURACY BY DISTRIBUTING HEAT EVENLY ALONG THE LENGTH OF THE TUBE.  
B. AN ELECTRO-OPTICAL OR LASER RANGE FINDER WHICH WILL INCREASE FIRST-ROUND HIT CAPABILITY.  
C. INFRARED SIGHTS, AND POSSIBLE PASSIVE NIGHT VISION DEVICES.  
D. A DUAL-PURPOSE MACHINEGUN, MOUNTED ON THE COMMANDER'S CUPOLA AND CAPABLE OF BEING OPERATED FROM

37  
SECRET, [REDACTED]

25X1

SECRET

R-02/77

25X1

WITHIN THE TURRET WITH THE HATCH CLOSED. THE MACHINEGUN IS PROBABLY A VARIANT OF A MODEL DESIGNED FOR HELICOPTER REMOTE-FIRING APPLICATION.

E. UNIQUE FENDER SHIELDS COMPOSED OF FOUR PLATES PER SIDE; THESE PLATES, WHEN PROJECTED OUTWARD, PROVIDE INCREASED PROTECTION TO THE HULL SIDE FROM A FRONTAL ATTACK.

F. A NEW SUPPORT ROLLER SUSPENSION SYSTEM WHICH REPRESENTS A CHANGE IN SOVIET TANK DESIGN.

G. A NEW SNORKELING TECHNIQUE WHICH MAY INDICATE THAT THE ENGINE AND CREW COMPARTMENTS ARE COMPLETELY SEALED OFF AND THUS PROVIDE BETTER CHEMICAL-BIOLOGICAL-RADIOLOGICAL PROTECTION.

S079567

25X1

ARMY BIIR RAC24-5002-77 FEB 77 SEC CLASS: 05 MSN: 17P ACCN: S079574

ELECTRONICS, BR M-1975 BATTLEFIELD RADAR

UR

WAC NO :  
10HS CODE:

BE/OBJ NO:   
EPF CAT : 25A

NPIC NO :  
COMIREX NO:

THE PURPOSE OF THIS BASIC IMAGERY INTERPRETATION REPORT IS TO PROVIDE AN ASSESSMENT OF THE BATTLEFIELD RADAR M-1975 (BR M-1975), ALSO KNOWN AS 'FRED,' AND TO COMPARE THIS NEW SYSTEM WITH THE SNAR SERIES OR PORK TROUGH FAMILY OF RADARS.

THE BR M-1975 APPEARS TO BE THE SOVIET'S LATEST ARTILLERY-ASSOCIATED, BATTLEFIELD-SURVEILLANCE RADAR. ALTHOUGH THE VEHICLE IS PRODUCED IN THE SOVIET UNION, IT HAS BEEN SEEN DEPLOYED ONLY IN GROUP SOVIET FORCES

THIS REPORT CONTAINS A PERSPECTIVE DRAWING OF THE ANTENNA ONLY, EIGHT PHOTOGRAPHS, AND THREE ORTHOGRAPHIC DRAWINGS WITH DIMENSIONS OF THE VEHICLE AND ITS COMPONENTS. THE BIIR ALSO PROVIDES A PHYSICAL DESCRIPTION OF THE VEHICLE AND A FEATURE COMPARISON BETWEEN THE BR M-1975 AND THE PORK TROUGH RADAR ANTENNA REFLECTORS. IMAGERY INTERPRETATION COMMENTS ALSO ARE INCLUDED. THE INFORMATION IS CURRENT AS OF

38  
SECRET

25X1

25X1

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

SECRET

R-02/77

25X1

25X1

AF PAR 1-77 14 JAN 77 SEC CLASS: 08J MSN: 2P ACCN: S079650

AIRCRAFT, BLINDER C TU-22 WING CAMBER UR  
WAC NO : BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 05D COMIREX NO:

AIRCRAFT, FIDDLER TU-128 WING CAMBER UR  
WAC NO : BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 05D COMIREX NO:

A REVIEW OF BLINDER AND FIDDLER PHOTOGRAPHY SHOWS THAT BOTH AIRCRAFT'S WINGS INCORPORATE UPPER SURFACE CAMBER. ALTHOUGH CAMBER CAN BE SEEN IN APPROPRIATE PHOTOGRAPHY, THE MAGNITUDE COULD NOT BE PRECISELY DETERMINED WITHIN THE TIME ALLOTTED FOR ANALYSIS.\*

AF ENDR A4001-76 19 SEP 76 SEC CLASS: 04 MSN: 1P ACCN: S079669

AIRCRAFT, FISHBED L MIG-21 LAUNCH RAIL U/I UR  
WAC NO : BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 05D COMIREX NO:

AF ENDR B3002-77 20 JAN 77 SEC CLASS: 07 MSN: 1P ACCN: S079671

AIRCRAFT, FLO66ER D MIG-23 MULTI-BOMB RACK UR  
WAC NO : BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 05D COMIREX NO:

AF ENDR C3001-77 12 JAN 77 SEC CLASS: 07 MSN: 1P ACCN: S079674

AIRCRAFT, BADGER G TU-16 NOSE DEVICE UR  
WAC NO : BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 05D COMIREX NO:

40  
SECRET

25X1

SECRET/

R-02/77

25X1

AF ENDR D1018-1-76 14 JAN 77 SEC CLASS: 04 MSN: 1P ACCN: S079690  
 MISSILES, AA-6 VARIANTS  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 40J COMIREX NO:

AF ENDR E1001-77 12 JAN 77 SEC CLASS: 07 MSN: 1P ACCN: S079698  
 AIRCRAFT, FORGER A YAK-36  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 05A COMIREX NO:

AF ENDR E1002-77 14 JAN 77 SEC CLASS: 05 MSN: 1P ACCN: S079699  
 AIRCRAFT, FOXBAT A MIG-25  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 05D COMIREX NO:

AF ENDR E1003-77 14 JAN 77 SEC CLASS: 05 MSN: 1P ACCN: S079700  
 AIRCRAFT, FOXBAT A MIG-25  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 05D COMIREX NO:

AF ENDR E1002-76 10 NOV 76 SEC CLASS: 04 MSN: 1P ACCN: S079701  
 AIRCRAFT, FOXBAT A MIG-25  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 05D COMIREX NO:

ARMY BIIR RAC24-5004-77 MAR 77 SEC CLASS: 07 MSN: 13P ACCN: S079717  
 AIRCRAFT, HIND D MI-24  
 WAC NO : BE/OBJ NO: NPIC NO :  
 IDHS CODE: EPF CAT : 05D COMIREX NO:

THIS BASIC IMAGERY INTERPRETATION REPORT (BIIR) UPDATES THE SECTION OF BIIR, RAC-24/0004/76, MI-24 HIND HELICOPTER THAT TREATS THE TWIN-CANOPY MODIFIED MI-24 HIND. THE REPORT PROVIDES AN ORIGINAL DESCRIPTION OF THE MI-24 HIND D AND ADDITIONAL INFORMATION OBTAINED SINCE THAT DATE. ALL INTELLIGENCE IS BASED ON INFORMATION DERIVED FROM SELECTED GROUND IMAGERY AND INTELLIGENCE REPORTS. INCLUDED IN THIS REPORT ARE 17 ANNOTATED PHOTOGRAPHS, A SCALE LINE DRAWING, A PHYSICAL DESCRIPTION, AND A

41

SECRET/

25X1

SECRET

R-02/77

25X1

SOURCE-MATERIAL REFERENCE SECTION. INFORMATION IS CURRENT AS OF

25X1

CIA INFR TSD054-77 10 MAR 77 SEC CLASS: 05 MSN: 3P

ACCN: S079756

PYRY AIR FORCE COMMAND CENTER POSS PL 5208 N 02101 E  
WAC NO : 0168 BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 25H COMIREX NO:

A POSSIBLE POLISH AIR FORCE COMMAND CENTER HAS BEEN IDENTIFIED 2 KILOMETERS SOUTHEAST OF PYRY.\*

CIA INFR LFD056-77 07 FEB 77 SEC CLASS: 05 MSN: 11P

ACCN: S079757

MILITARY, INFANTRY BATTALIONS SINAI ARMS ZONE EG  
WAC NO : BE/OBJ NO: NPIC NO :  
IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS MEMORANDUM IDENTIFIES 16 INFANTRY BATTALIONS IN THE EGYPTIAN LIMITED ARMS ZONE.\*

CIA BIIR RCS13-0004-77 APR 77 SEC CLASS: 05C MSN: 6P

ACCN: S079910

JONAVA NITROGEN FERTILIZER PLANT UR 550502N 0242001E  
WAC NO : 0168 BE/OBJ NO: NPIC NO : - 136-B  
IDHS CODE: EPF CAT : 30F COMIREX NO:

JONAVA NITROGEN FERTILIZER PLANT USES NATURAL GAS FEEDSTOCK FROM THE DASHAVA GAS FIELDS TO PRODUCE AQUEOUS AMMONIA, NITROGEN AND COMPOUND FERTILIZERS, METHANOL, DRY ICE, AND REPORTEDLY RESINS. ITS MAIN PRODUCTS INCLUDE AMMONIA, METHANOL, NITRIC ACID, UREA, AMMONIUM NITRATE AND NITROGEN-PHOSPHATE-POTASSIUM (NPK) FERTILIZERS, AND POSSIBLY UREA AND MELAMINE RESINS.

CONSTRUCTION OF THE FERTILIZER PLANT BEGAN IN 1962, AND IT HAS BEEN UNDERGOING EXPANSION EVER SINCE. PORTIONS OF THE PLANT WERE FIRST OBSERVED OPERATING IN 1966. DURING THE PERIOD BETWEEN 1971 AND 1975, AN AMMONIUM NITRATE PLANT AND A NITRIC ACID PLANT WERE BUILT AND CONSTRUCTION WAS BEGUN ON AN IMPORTED AMMONIA PLANT AND AN NPK FERTILIZER PLANT. THESE PLANTS WILL PROBABLY BE COMPLETED BY EARLY 1977. AN APPARENT EXCESS AMMONIA CAPACITY AND AN ADJACENT CONSTRUCTION SITE SUGGEST THAT ADDITIONAL FERTILIZER FACILITIES MAY BE ADDED TO THE PLANT.

THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE FERTILIZER PLANT AND A TABLE SUMMARIZING ITS PRODUCTION AREAS AND THE VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE COMBINE.

42  
SECRET

25X1

## List of Conversion Factors by Classification

### UNITS OF LENGTH

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
MILLIMETERS	0.0394	INCHES
CENTIMETERS	0.3937	INCHES
INCHES	25.4000	MILLIMETERS
INCHES	2.5400	CENTIMETERS
FEET	0.3048	METERS
FEET	0.0003	KILOMETERS
YARDS	0.9144	METERS
METERS	3.2808	FEET
METERS	0.0005	MILES(NAUTICAL)
METERS	1.0936	YARDS
KILOMETERS	3280.8400	FEET
KILOMETERS	0.6214	MILES(STATUTE)
KILOMETERS	0.5400	MILES(NAUTICAL)
MILES(STATUTE)	1.6093	KILOMETERS
MILES(NAUTICAL)	6076.1154	FEET
MILES(NAUTICAL)	1.8520	KILOMETERS
MILES(NAUTICAL)	1852.0000	METERS

### UNITS OF MASS

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
KILOGRAMS	2.2046	POUNDS(AVOIR.)
POUNDS(AVOIR.)	0.4536	KILOGRAMS
SHORT TONS	0.9072	METRIC TONS
METRIC TONS	1.1023	SHORT TONS
METRIC TONS	0.9842	LONG TONS
LONG TONS	1.0160	METRIC TONS

### UNITS OF VOLUME

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
LITERS	0.2642	GALLONS
LITERS	0.0063	BARRELS(POL)
LITERS	0.0010	CUBIC METERS
GALLONS	3.7854	LITERS
GALLONS	0.1337	CUBIC FEET
GALLONS	0.0238	BARRELS(POL)
GALLONS	0.0038	CUBIC METERS
BUSHELS	0.0352	CUBIC METERS
CUBIC FEET	7.4805	GALLONS
CUBIC FEET	0.1781	BARRELS(POL)
CUBIC FEET	0.0283	CUBIC METERS
CUBIC YARDS	0.7646	CUBIC METERS
BARRELS(POL)	158.9873	LITERS
BARRELS(POL)	42.0000	GALLONS
BARRELS(POL)	5.6146	CUBIC FEET
BARRELS(POL)	0.1590	CUBIC METERS
CUBIC METERS	1000.0000	LITERS
CUBIC METERS	264.1721	GALLONS
CUBIC METERS	35.3147	CUBIC FEET
CUBIC METERS	28.3776	BUSHELS
CUBIC METERS	6.2898	BARRELS(POL)
CUBIC METERS	1.3080	CUBIC YARDS

### UNITS OF AREA

IF YOU HAVE	MULTIPLY BY	TO OBTAIN
SQUARE CENTIMETERS	0.1550	SQUARE INCHES
SQUARE INCHES	6.4516	SQUARE CENTIMETERS
SQUARE FEET	0.0929	SQUARE METERS
SQUARE YARDS	0.8361	SQUARE METERS
SQUARE METERS	10.7639	SQUARE FEET
SQUARE METERS	1.1960	SQUARE YARDS
SQUARE METERS	1.0000	CENTARES
SQUARE METERS	0.0002	ACRES
SQUARE METERS	0.0001	HECTARES
ACRES	4048.8564	SQUARE METERS
ACRES	0.4047	HECTARES
HECTARES	10000.0000	SQUARE METERS
HECTARES	2.4711	ACRES

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6

**Secret**

**Secret**

Approved For Release 2003/12/19 : CIA-RDP78B04560A007500010007-6